

TO
The Norman Cross Rural District
Council.

GENTLEMEN,

I beg to submit to you my Annual Report for the year 1909 on the vital statistics and sanitary condition of the Norman Cross Rural District.

WATER SUPPLY.

There has been a good supply of water in all the villages of the District this year.

SANITATION.

An additional length of sewer has been laid in Farcet, and the sewers are now connected up with a new system of bacteria beds at the lower end of the village. The pond in the centre of Stilton village has been cleaned out and filled up (see under Enteric Fever).

BIRTH RATE.

The number of births registered during the year (Table 1, col. 3) is 146, which is 35 in excess of last year, and exactly equals the average of the two previous

years (1906 and 1907), and giving a birth rate of 25·79 per 1000 of the total population of the District, as compared with 19·61 and 27·74 of the two preceding years respectively.

DEATH RATE.

The number of deaths registered (Table 1, col. 7) is 67, a rate of 11·83. To these must be added 6 deaths (Table 1, col. 11) of persons belonging to the District whose deaths occurred in institutions outside the District, making a total of 73, and giving a corrected death rate of 12·89, a slightly lower figure than last year.

INFANT MORTALITY.

In Table V. is given the particulars of deaths among children under 1 year of age. Seven such deaths were registered, giving an infant mortality rate of 47·94, a considerable improvement on last year, when the rate was 135·13.

POPULATION.

For the purpose of calculation I am again taking the same population as last year, viz. :—5,659, for the same reason as given in last year's Report.

ZYMOTIC INCIDENCE & DEATH RATE.

Fourteen cases of Infectious Disease were notified during the year :—Scarlet Fever, 6, Diphtheria 4, Enteric Fever 2, Erysipelas 2. There were two deaths from Enteric Fever and one from Measles.

In all these cases the usual means of isolation and disinfection were carried out, and I am glad to report that no epidemic resulted.

SCARLET FEVER.

The cases of Scarlet Fever occurred principally in the villages of Holme and Farcet Fen, and could be traced to infection from Ramsey, where the disease was very prevalent at the time. No deaths were reported as due to this disease.

DIPHTHERIA.

Of the four cases of Diphtheria three occurred in two houses in Yaxley and one in Farcet Fen. No cause could be traced.

ENTERIC FEVER.

The two cases of Enteric Fever occurred at Stilton in one house, both of which were fatal, and were traced to pollution of the water supply from a filthy pond in the centre of the village. A case occurred last year in the same house, and though at that time the pollution could not be proved the condition of the pond was suspicious, and I tried to get it closed ; but there was so much local opposition to my proposal, and the pond was given such an excellent character, that it was allowed to remain ; but this time I was able to clearly prove its guilt, and the pond has been cleaned out and properly filled in, and I am very glad to see the last of such an abomination in my District.

ERYSIPELAS.

The two cases of Erysipelas were quite separate ; one occurring in Orton Waterville, and was due to the infection of a cancerous ulcer. The other in Holme Fen ; cause could not be traced.

MEASLES.

Towards the end of the year there were some cases of Measles in Holme and Stilton, with one infant death at Holme. In November it became necessary to close Waternewton and Orton Waterville Schools.

SMALL POX.

No case of Small Pox has occurred in the District. "Conscientious objectors" to Vaccination have so considerably increased, owing to the ease with which exemption can be now obtained, that the Vaccination Laws are rapidly becoming a "dead letter." I fear that, at no distant date, the Country will have to pay dearly for the neglect of this simple precaution against such a fell disease.

WHOOPING COUGH.

This disease was very prevalent in Yaxley and Waternewton, necessitating school closure in Waternewton in February.

MUMPS.

In January there were some cases of Mumps in Haddon, and in July quite an epidemic in Yaxley.

INFLUENZA.

Some few cases have occurred all through the year, becoming more prevalent towards its close.

PHTHISIS.

Only three deaths were notified as due to this disease, 50 % less than last year. Since the compulsory notification of all pauper cases all rooms occupied by these cases are now disinfected on removal or death. This also applies to all private cases which come under my notice.

OTHER DISEASES.

Cancer.—The death rate from this disease shows a distinct decline, only four cases are recorded, as against seven last year.

Diarrhæal Diseases.—Three deaths were recorded as due to this form of disease.

Bronchitis and Pneumonia.—Two deaths were registered as due to Bronchitis, and seven to Pneumonia; three of the latter were children under 1 year of age.

Heart Disease.—Five deaths were registered as due to Heart Disease, three of which were in persons over 65 years of age, and the other two were over 60.

AGES AT DEATH.

Of the 73 deaths registered 39 were over 65 years of age; of these 32 were over 70, 21 over 80, and 2 were over 90. The greatest age registered was 97.

There were only seven deaths of children under 1 year of age, and during the working period of life (15 to 65 years) 18 deaths occurred.

DAIRIES, COWSHEDS, & MILKSHOPS.

The Council has now adopted a set of bye-laws for the regulation of Dairies, Cowsheds, and Milkshops ; a register is in course of preparation. When the register is complete a regular and periodical inspection will be made.

With regard to the Local Government Board's request concerning arrangements for Inspection of Meat the Council has at present made no arrangements.

The Notification of Births Act has not been adopted in the District.

The Council has made no arrangements for examination of Dairy Cows by Veterinary Surgeons.

INSPECTION OF SCHOOL CHILDREN.

262 children have been examined during the year. I found the large majority of children well up to the average in nutrition. The principal defect is unsound teeth, quite 30 per cent. of the children show this defect, and quite half of these show four or more teeth decayed. The early loss of teeth, especially of the permanent molars, appears to be increasing, and is, in my opinion, in great measure due to the use of fine machine-milled flour, instead of the coarser flour

produced by stone crushing, and I believe a return to this kind of flour for bread making would be followed by a great improvement in the teeth of the community. In my District most of the parents attend the inspection.

The appended Report prepared by the Inspector of Nuisances shows the result of his work during the year.

Following the Inspector's Report will be found Tables I., II., III., IV., and V. of Statistics required by the Local Government Board, to which frequent reference has been made in the body of this Report ; also is attached Form 572 relating to Factories and Workshops for the use of the Home Office.

I am, Gentlemen,

Your obedient Servant,

H. SPENCER COOPER,

*Medical Officer of Health
for the Norman Cross Rural District.*

Yaxley,

February 10th, 1910.

SURVEYOR'S OFFICE,

OLD FLETON,

MARCH, 1910.

MR. CHAIRMAN AND GENTLEMEN,

I beg to hand you herewith a Summary of the Sanitary work done by me in your District from January 1st, 1909, to January 1st, 1910.

Notices served under the Public Health Act...	83
Notices as to accumulations of manure	5
Notices as to offensive privies	37
Notices as to offensive drains	31
Nuisances from animals	7
Nuisances from overcrowding	3

All cases of Infectious Disease reported by the Medical Officer have been attended to and premises have been disinfected.

The drainage of Farcet has been now properly dealt with. Bacteria beds have been constructed and the system of drainage is now complete.

The drainage of the village of Orton Longueville has received attention during the year. A new length has been laid and I am now engaged in the preparation of plans for a complete scheme, including proper bacteria beds.

A new length of sewer has been laid in the village of Holme.

I am, Gentlemen,

Your obedient Servant,

F. J. WHITTAKER.

TABLE I.

Vital Statistics of Whole District during 1909 and previous years.

Name of District—NORMAN CROSS RURAL.

YEAR	Population estimated to middle of each year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Total Deaths in Public Institutions in the District	Deaths of Non-residents regis- tered in Public Institutions in the District.	Deaths of Residents regis- tered in Public Institutions beyond the District.	Nett Deaths at all Ages belonging to the District.	
		Number.	Rate *	Under 1 Year of Age.		At all Ages.					Number.	Rate.*
				Number.	Rate per 1,000 Births registered.	Number.	Rate.*					
1	2	3	4	5	6	7	8	9	10	11	12	13
		No	Statistics	1899	to	1905.		No Public Institutions in the District.				
1906	5579	134	24·01	9	67·16	59	10·57		...	6	65	11·65
1907	5659	158	27·74	16	101·26	65	11·48		...	10	75	13·25
1908	5659	111	19·61	15	135·13	70	12·36		...	4	74	13·07
Averages for years 1899-1908 }												
1909	5659	146	25·79	7	47·94	67	11·83	...	...	6	73	12·89

* Rates in Columns 4 and 8 calculated per 1,000 of the estimated gross population.

Area of District in acres (exclusive of area covered by water).....	} 29,609	Total population at all ages.....	5,579	} At Census of 1901.
		Number of inhabited houses ...	1,288	
		Average number of persons per house	4·33	

The Union Workhouse is not in the District.

TABLE II.

**Vital Statistics of separate Localities in 1909
and previous years.**

Name of District—NORMAN CROSS RURAL.

YEAR.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>
	No	Statistics	1899 to	1905.
1906	5,579	134	65	9
1907	5,659	158	75	16
1908	5,659	111	74	15
Averages of years 1899 to 1908 }				
1909	5,659	146	73	7

TABLE III.

Cases of Infectious Disease notified during the Year 1909.

Name of District—NORMAN CROSS RURAL.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							Total cases removed to Hospital.
	At all Ages.	At Ages—Years.						
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	
Small Pox	Nil.
Cholera .....	...	...	...	...	...	...	...
Diphtheria (including Membranous Croup)	4	...	...	3	...	1	...
Erysipelas	2	...	...	...	1	...	1
Scarlet Fever	6	1	2	2	1	...	...
Typhus Fever .....	...	...	...	...	...	...	...
Enteric Fever	2	...	...	...	2	...	...
Relapsing Fever .....	...	...	...	...	...	...	...
Continued Fever .....	...	...	...	...	...	...	...
Puerperal Fever .....	...	...	...	...	...	...	...
Plague .....	...	...	...	...	...	...	...
TOTALS.....	14	1	2	5	4	1	1	Nil.

Isolation Hospital—NIL.

TABLE IV.

Causes of, and Ages at, Death during the Year 1909.

Name of District—NORMAN CROSS RURAL.

CAUSES OF DEATH.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.							Total Deaths whether of "Resi- dents" or "non- Residents" in Public Institutions in the District.
	All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	
1	2	3	4	5	6	7	8	16
Small Pox	No Public Institutions in the District.
Measles	1	1	...	...	...	...	...
Scarlet Fever ... ..	...	...	...	...	...	...	...
Whooping Cough ... ..	...	...	...	...	...	...	...
Diphtheria (including Membranous Croup)	...	...	...	...	...	...	...
Croup	1	...	1	...	...	...	...
Fever { Typhus ... ..	...	...	...	...	...	...	...
	2	...	...	...	2	...	...
	
Epidemic Influenza ... ..	...	...	...	...	...	...	...
Cholera... ..	...	...	...	...	...	...	...
Plague ... ..	...	...	...	...	...	...	...
Diarrhœa ... ..	...	...	...	...	...	...	...
Enteritis	1	1	...	...	...	...	...
Gastritis	2	...	1	...	...	1	...
Puerperal Fever ... ..	...	...	...	...	...	...	...
Erysipelas	1	...	...	...	...	...	1
Phthisis (Pulmonary Tuberculosis)... ..	3	...	...	...	...	2	1
Other tuberculous diseases	1	...	1	...	...	...	...
Cancer, malignant disease	4	...	...	...	...	1	3
Bronchitis	2	...	...	...	...	1	1
Pneumonia	7	3	...	1	...	...	3
Pleurisy ... ..	...	...	...	...	...	...	...
Other diseases of Respiratory organs	...	...	...	...	...	...	...
Alcoholism ... ..	...	...	...	...	...	...	...
Cirrhosis of Liver ... ..	...	...	...	...	...	...	...
Venereal diseases ... ..	...	...	...	...	...	...	...
Premature birth	1	1	...	...	...	...	...
Diseases and accidents of parturition	...	...	...	...	...	...	...
Heart diseases	5	...	...	...	...	2	3
Accidents	1	...	...	...	1	...	...
Suicides	1	...	...	...	1	...	...
All other causes	40	1	4	1	...	7	27	
ALL CAUSES	73	7	7	2	4	14	39	

In recording the facts under the various headings of Tables I., II., III., IV., and V., attention has been given to the notes on the Tables.

H. SPENCER COOPER,
Medical Officer of Health.

Date February 10th, 1910.

TABLE V.

NORMAN CROSS RURAL DISTRICT.

INFANTILE MORTALITY DURING THE YEAR 1909.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.				Under 1 Week	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES	{	Certified ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Uncertified ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
i.	{	Small Pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Common		Chicken Pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Infectious		Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases.		Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Diphtheria (including Membranous Croup) }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Whooping Cough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ii.	{	Diarrhoea, all forms	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoeal		Enteritis, Muco-enteritis, Gastro-enteritis }	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
Diseases.		Gastritis, Gastro-intestinal Catarrh }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Premature Birth ...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
iii.	{	Congenital Defects	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wasting		Injury at Birth ...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Diseases.		Want of Breast-milk Starvation }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Atrophy, Debility. Marasmus }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
iv.	{	Tuberculous Meningitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous		Tuberculous Peritonitis : Tabes Mesenterica }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases.		Other Tuberculous Diseases }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
v.	{	Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other		Syphilis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Causes.		Rickets ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Meningitis (not Tuberculous) }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Convulsions ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bronchitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Laryngitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pneumonia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	3
		Suffocation, overlying	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Other Causes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
				2	...	...	...	2	1	...	...	...	...	...	...	...	...	4	...	7

District of Norman Cross.

Population, estimated to middle of 1909, 5659.

Births in the year { legitimate 142.
illegitimate 4.Deaths in the year of { legitimate infants 6.
illegitimate infants 1.

Deaths from all causes at all Ages

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
FOR THE YEAR 1909,
For the Rural District of Norman Cross,
On the administration of the Factory and Workshop Act, 1901,
in connection with
**FACTORIES, WORKSHOPS, WORKPLACES,
and HOMEWORK.**

I.—INSPECTION.

Including Inspections made by Sanitary Inspectors or
Inspectors of Nuisances.

PREMISES. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Prosecutions. (4)
Factories (Including Factory Laundries).			
Workshops (Including Workshop Laundries).			
Workplaces (Other than Outworkers' premises included in part 3 of this Report).	8	Nil.	Nil.
Total	8	Nil.	Nil.

2.—DEFECTS FOUND.

PARTICULARS. (1)	Number of Defects.			Number of Prosecutions. (5)
	Found. (2)	Remedied. (3)	Referred to H.M. Inspector. (4)	
<i>Nuisances under the Public Health Acts :—</i>				
Want of cleanliness	1	1	Nil.	Nil.
Other defects and offences	Nil.	Nil.	Nil.	Nil.

3.—HOME WORK.

Nil.

4.—REGISTERED WORKSHOPS.

No Registered Workshops in District.

5.—OTHER MATTERS.

Nil.

H. SPENCER COOPER,

Medical Officer of Health.

Date, February 10th, 1910.